

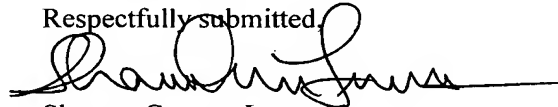
### REMARKS

A substitute specification is provided herewith to replace the originally filed specification, along with a marked up version of the specification showing the changes made in accordance with 37 C.F.R. §1.125(b). The original specification is amended in the substitute specification to include sequence identifiers and to incorporate the Sequence Listing at the end of the specification. The amendments to the substitute specification are supported in the language of the original specification and no new matter has been added.

Claims 14, 16-18, 20, 22-25, 27, 34, 35, 37, 43-47, 123, 125, 130, 132, 134, 136, 138, 141, 143, 144, 146, 147, 150, 151, 176, 178 and 180 are amended herein to add sequence identifiers as appropriate. Claims 170, 173 and 175 are amended herein to correct claim dependency. Support for these claim amendments is found throughout the specification and in the original claim language, and no new matter is added therein. Applicants respectfully request entry of this substitute specification and the claim amendments

No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,



Shawna Cannon Lemon  
Registration No. 53,888

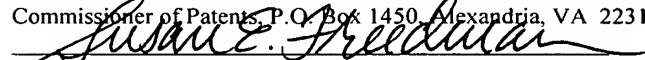
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### CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

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Date of Deposit: June 17, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Mail Stop Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Susan E. Freedman

Date of Signature: June 17, 2004